


MATERIAL DECLARATION SHEET



Material Number	SRF0703HA Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/7/18			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	DR Core	Ni-Zn	0.150	Iron oxide (Fe2O3)	1309-37-1	52.0%	13.220%	25.42%
				Zinc oxide (ZnO)	1314-13-2	15.0%	3.814%	
				Cupric oxide(CuO)	1317-38-0	17.0%	4.322%	
				Nickel oxide (NiO)	1313-99-1	16.0%	4.068%	
2	RI Core	Ni-Zn	0.290	Iron oxide (Fe2O3)	1309-37-1	52.0%	25.559%	49.15%
				Zinc oxide (ZnO)	1314-13-2	15.0%	7.373%	
				Cupric oxide(CuO)	1317-38-0	17.0%	8.356%	
				Nickel oxide (NiO)	1313-99-1	16.0%	7.864%	
3	Base	LCP	0.04	Aromatic polyester resin	60088-52-0	60.0%	4.068%	6.78%
				Glass fiber	65997-17-3	38.0%	2.576%	
				Carbon Black	1333-86-4	2.0%	0.136%	
		Copper	0.01	Copper (Cu)	7440-50-8	93.5%	1.585%	1.69%
				Tin (Sn)	7440-31-5	6.2%	0.105%	
				Phosphorus(P)	7723-14-0	0.3%	0.005%	
				Plating-Sn	0.004	Tin (Sn)	7440-31-5	
Plating-Ni	0.001	Nickel (Ni)	7440-02-0	100.0%	0.169%	0.17%		
4	Wire	Copper (C11000)	0.049	Copper(Cu)	7440-50-8	99.95%	8.300%	8.31%
				Misc. ,not to declare	\	0.05%	0.004%	
		Resin	0.003	Polyurethane	9009-54-5	100.00%	0.510%	0.51%

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5	Adhesive	Epoxy	0.023	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	0.65	2.534%	3.90%
				Calcium Carbonate	1317-65-3	0.35	1.364%	
6	Solder bar	Tin	0.02	Tin (Sn)	7440-31-5	99.0%	3.356%	3.39%
				Silver(Ag)	7440-22-4	0.5%	0.017%	
				Copper(Cu)	7440-50-8	0.5%	0.017%	
		Total weight	0.59					

This Document was updated on: 2024/7/18

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.